## **Amendments to the Claims**

## 1-35. (Canceled)

- 36. (Currently amended) A two-way actuator formed of composite material, wherein the composite material comprises:
  - (i) a first component comprising a first shape memory alloy; and
  - (ii) a second component comprising an elastic metal;

wherein said first component and said second component are metallurgically bonded together to form said composite material;

wherein said two-way actuator has a first shape at a temperature equal to or above a temperature  $A_f$  at which transformation of the first component from martensite to austenite is complete, and said two-way actuator has a second shape at a temperature equal to or below a temperature  $M_f$  at which transformation of the first component from austenite to martensite is complete;

wherein at a temperature equal to or above A<sub>f</sub>, said first shape memory alloy exerts a force against said second component which elastically deforms said second component so that said two-way actuator has said first shape;

wherein at a temperature equal to or below  $M_f$ , said force from said first shape memory alloy is at least partially released and a bias force of said second component acting on said first shape memory alloy returns the two-way actuator to said second shape; and

wherein the two-way actuator has one or more finger portions for grasping body tissue. wherein  $A_f$  and  $M_f$  allow actuation of the two-way actuator at temperatures suitable for use on a subject's body tissue.

- 37. (Currently amended) The two-way actuator of claim  $\underline{3}6$ , wherein  $M_f$  is greater than approximately 0° C.
- 38. (Currently amended) The two-way actuator of claim  $\underline{36}$ , wherein  $\underline{M_f}$  is greater than about  $\underline{35^{\circ} C}$  approximately body temperature.

- 39. (Currently amended) The two-way actuator of claim  $\underline{3}6$ , wherein  $\underline{A}_f$  is greater than about  $\underline{3}5^{\circ}$  C less than approximately  $\underline{100^{\circ}}$  C.
- 40. (Currently amended) The two-way actuator of claim 36, wherein the first shape memory alloy component is nitinol.
- 41. (Currently amended) The two-way actuator of claim <u>36</u>, wherein the <u>elastic metal</u> second emponent is selected from the group consisting of a second shape memory alloy, stainless steel, cobalt alloy, refractory metal or alloy, precious metal, titanium alloy, nickel superalloy, and combinations thereof.
- 42. (Currently amended) The two-way actuator of claim 41, wherein the <u>elastic metal second</u> component is selected from the group consisting of nitinol, stainless steel 316, austenitic stainless steels, precipitation hardenable steels including 17-4PH, 15-4PH and 13-8Mo, MP35N, ELGILOY®, Ta, Ta-10W, W, W--Re, Nb, Nb1Zr, C-103, Cb-752, FS-85, T-111, Pt, Pd, beta Ti, Ti6A14V, Ti5A12.5Sn, Beta C, Beta III, and FLEXIUM®.
- 43. (Currently amended) The two-way actuator of claim 36, wherein the elastic metal has a modulus of elasticity equal to or greater than that of stainless steel wherein the first component and the second component form a bi-layer, tri-layer, or intermittent layer structure.
- 44-50. (Canceled)
- 51. (New) An article of manufacture, comprising: a hollow tube comprising an elastic metal; and
- a plurality of discrete elements disposed within the wall of the hollow tube such that each discrete element is not in contact with another discrete element;
  - wherein the discrete elements comprise a shape memory alloy.
- 52. (New) The article of claim 51, wherein each of the discrete elements are in the form of a

strip that is longitudinally disposed within the wall of the hollow tube.

- 53. (New) The article of claim 51, wherein the plurality of discrete elements are metallurgically bonded to the hollow tube.
- 54. (New) The article of claim 51, wherein the article has a first shape at a temperature equal to or above a temperature  $A_f$  at which transformation of the shape memory alloy from martensite to austenite is complete;

wherein the article has a second shape at a temperature equal to or below a temperature  $M_f$  at which transformation of the shape memory alloy from austenite to martensite is complete;

wherein at a temperature equal to or above  $A_f$ , the discrete elements exert a force against the hollow tube to elastically deform the hollow tube so that the article assumes the first shape; and

wherein at a temperature equal to or below  $M_f$ , the force from the discrete elements is at least partially released so that the article assumes the second shape.

- 55. (New) The article of claim 51, wherein the shape memory alloy is nitinol.
- 56. (New) The article of claim 51, wherein the elastic metal is selected from the group consisting of a second shape memory alloy, stainless steel, cobalt alloy, refractory metal or alloy, precious metal, titanium alloy, nickel superalloy, and combinations thereof.
- 57. (New) The article of claim 51, wherein the elastic metal is selected from the group consisting of nitinol, stainless steel 316, austenitic stainless steels, precipitation hardenable steels including 17-4PH, 15-4PH and 13-8Mo, MP35N, ELGILOY, Ta, Ta-10W, W, W--Re, Nb, Nb1Zr, C-103, Cb-752, FS-85, T-111, Pt, Pd, beta Ti, Ti6A14V, Ti5A12.5Sn, Beta C, Beta III, and FLEXIUM.